

ABSTRACT OF THE DISCLOSURE



A syringe with a retractable needle, includes a reservoir having an open rear end, a piston element slidably inserted in said rear end, the piston having an end facing toward the inside of the reservoir, the reservoir having a front end open and surrounded by a lip. A needle carrier carries the needle and is slidable in the lip toward and away from the piston. A spring within the lip continuously urges the needle carrier toward the piston. A flexible element is secured to and movable with the needle carrier and has portions that engage with a shoulder on the lip when the spring urges the needle carrier toward the piston thereby to limit movement of the needle carrier toward the piston. The flexible element also has hooks thereon that, when pressed into the needle carrier, engage beneath a shoulder on the needle carrier to retain the flexible element in a deformed position in which the needle carrier is deformed out of contact with the shoulder on the lip so that when the piston is retracted in a direction away from the needle, the spring can press the needle carrier and the needle and the deformable element in a direction toward the piston thereby to retract the needle within the lip.